

# POWER OF ATTORNEY

Attorney Docket No.

I69.12-0592

First Named Inventor : Huazhou Lou et al.

Title : DYNAMIC MEASUREMENT OF HEAD MEDIA SPACING MODULATION

In the patent application:

X identified above (and submitted to the Patent and Trademark Office herewith).

- filed on \_\_\_\_\_ as Application No. \_\_\_\_\_.

I appoint the attorneys and agents associated with Customer Number 00164 to prosecute the patent application identified above and to transact all business in the Patent and Trademark Office connected therewith, including full power of association, substitution and revocation.

I ratify all prior actions taken by Kinney & Lange, P.A. or the attorneys and agents mentioned above in connection with the prosecution of the above-mentioned patent application.

I authorize Kinney & Lange, P.A. to mark the appropriate space above and to insert the filing date and application number of the application, as appropriate.

I aver that I am empowered by Seagate Technology LLC to act on behalf of the Assignee, Seagate Technology LLC, in connection with this document and the above application.

Please address all correspondence and telephone calls to Customer Number 00164, attention Paul P. Kempf, Telephone (612) 339-1863, Fax (612) 339-6580.

## SEAGATE TECHNOLOGY LLC

Signature:



Paul T. Dietz, Reg. No. 38,858

Title:

Patent Attorney

Dated:

July 30, 2003

<b>DECLARATION FOR UTILITY PATENT APPLICATION (37 C.F.R. 1.63)</b>		Attorney Docket No.	I69.12-0592
		First Named Inventor	Huazhou Lou et al.
<b>COMPLETE IF KNOWN</b>			
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing	Declaration Submitted after Initial Filing (Surcharge (37 C.F.R. 1.16(e)) Required)	Application Number	
		Filing Date	Herewith
		Group Art Unit	
		Examiner Name	

As a below named inventor, I hereby declare that my residence, post office address, and citizenship are as stated below.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**DYNAMIC MEASUREMENT OF HEAD MEDIA SPACING MODULATION**

the specification of which:

is attached hereto OR

was filed on as United States Application Number or PCT International Application Number and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Certified Copy Attached? Yes      No

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

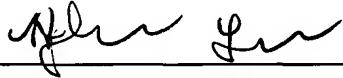
I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

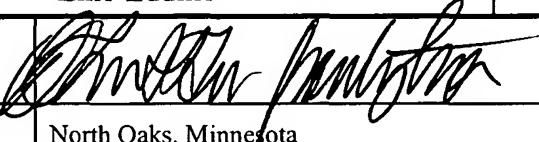
U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

DIRECT ALL CORRESPONDENCE TO:

Customer Number	00164
Attention	Paul P. Kempf
Telephone	(612) 339-1863
Fax	(612) 339-6580

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Sole or First Inventor:</b>		
Given Name (First and middle (if any))		Family Name or Surname
Huazhou		Lou
Inventor's signature	 Date: 7/22/03	
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<b>Second Inventor:</b>		
Given Name (First and middle (if any))		Family Name or Surname
Zine-Eddine		Boutaghous
Inventor's signature	 Date: 7/22/03	
Residence	North Oaks, Minnesota	
Mailing Address	4 Shadow Lane	
City, State, Country	North Oaks, Minnesota 55127, USA	

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor : Huazhou Lou et al.	Group Art Unit:
Appln. No. :	Examiner:
Filed : Herewith	
Title : DYNAMIC MEASUREMENT OF HEAD MEDIA SPACING MODULATION	
Docket No. : I69.12-0592	

## SUBMISSION UNDER 37 C.F.R. 3.73(b)

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Seagate Technology LLC, a Delaware corporation, is an owner of the patent application identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or a copy of which is attached.

OR

B.  A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of which is attached.

-2-

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or a copy of  
which is attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on  
behalf of Seagate Technology LLC.

Signature:



Title:

Paul T. Dietz, Reg. No. 38,858  
Patent Attorney

Date:

July 30, 2003